

ABSTRACT

A light guide of a frontlight liquid crystal display (LCD) is integrally formed in a touch panel, and methods of fabricating the panel with the guide and laminating the panel with the guide. A touch panel conductive film is coated on a guide surface; and spacers are placed on the film, and a sheet is bonded to the guide so that another film faces the spacers. The guide may be laminated on and bonded to a panel lower sheet; and a substrate may be formed by coating one film and then placing spacers on the other film, and an another substrate having the other film and the sheet may be bonded on spacers of the substrate so that the films faces each other. A capacitive touch panel film may be coated and formed directly on the guide surface; and a protective film may be laminated on this film. Methods include whether a film base is laminated or a film is coated on the guide surface on the basis of the panel lower elements; pre-processing the panel and the guide such that the guide becomes one element of the panel by laminating or coating the film base or the film on the guide; and post-processing the panel and the guide such that after completion of the panel elements, the other film bases or electrode films corresponding to other elements are laminated on the guide.